



SEQUENCE LISTING

<110> Thompson Institute for Plant Research
Blissard, Gary
Robert, Granados
Guangyun, Lin

<120> STABLE CELL LINES RESISTANT TO APOPTOSIS AND NUTRIENT STRESS AND METHODS OF MAKING SAME

<130> BTI-44

<140> US 09/518,763

<141> 2000-03-03

<160> 11

<170> PatentIn version 3.0

<210> 1

<211> 900

<212> DNA

<213> Autographa californica nucleopolyhedrovirus

<400> 1

```
atgtgtgttaa tttttccggt agaaatcgac gtgtcccaga cgattattcg agattgtcag      60
gtggacaaac aaaccagaga gttggtgtac attaacaaga ttatgaacac gcaattgaca      120
aaaccggttc tcatgatgtt taacatttcg ggtcctatac gaagcgttac gcgcaagaac      180
aacaatttgc gcgacagaat aaaatcaaaa gtcgatgaac aatttgatca actagaacgc      240
gattacagcg atcaaattgga tggattccac gatagcatca agtattttta agatgaacac      300
tattcggttaa gttgccaaaa tggcagcgtg ttgaaaagca agtttgctaa aattttaaag      360
agtcattgatt ataccgataa aaagtctatt gaagcttacg agaaatactg tttgccccaa      420
ttggtcgacg aacgcaacga ctactacgtg gcggtatgcg tgttgaagcc gggatttgag      480
aacggcagca accaagtgct atcttttcgag tacaacccga ttggtaacaa agttattgtg      540
ccgtttgctc acgaaattaa cgacacggga ctttacgagt acgacgtcgt agcttacgtg      600
gacagtgtgc agtttgatgg cgaacaattt gaagagtttg tgcagagttt aatattgccg      660
tcgtcggttca aaaattcgga aaagggttta tattacaacg aagcgtcgaa aaacaaaagc      720
atgatctaca aggctttaga gtttactaca gaatcgagct ggggcaaata cgaaaagtat      780
aattggaaaa ttttttgtaa cggttttatt tatgataaaa aatcaaaagt gttgtatggt      840
aaattgcaca atgtaactag tgcactcaac aaaaatgtaa tattaacac aattaaataa      900
```

<210> 2

<211> 299
<212> PRT
<213> Autographa californica nucleopolyhedrovirus

<400> 2

Met	Cys	Val	Ile	Phe	Pro	Val	Glu	Ile	Asp	Val	Ser	Gln	Thr	Ile	Ile	
1			5					10						15		
Arg	Asp	Cys	Gln	Val	Asp	Lys	Gln	Thr	Arg	Glu	Leu	Val	Tyr	Ile	Asn	
			20				25						30			
Lys	Ile	Met	Asn	Thr	Gln	Leu	Thr	Lys	Pro	Val	Leu	Met	Met	Phe	Asn	
		35					40					45				
Ile	Ser	Gly	Pro	Ile	Arg	Ser	Val	Thr	Arg	Lys	Asn	Asn	Asn	Leu	Arg	
	50					55					60					
Asp	Arg	Ile	Lys	Ser	Lys	Val	Asp	Glu	Gln	Phe	Asp	Gln	Leu	Glu	Arg	
65					70					75					80	
Asp	Tyr	Ser	Asp	Gln	Met	Asp	Gly	Phe	His	Asp	Ser	Ile	Lys	Tyr	Phe	
				85					90					95		
Lys	Asp	Glu	His	Tyr	Ser	Val	Ser	Cys	Gln	Asn	Gly	Ser	Val	Leu	Lys	
			100					105					110			
Ser	Lys	Phe	Ala	Lys	Ile	Leu	Lys	Ser	His	Asp	Tyr	Thr	Asp	Lys	Lys	
		115					120					125				
Ser	Ile	Glu	Ala	Tyr	Glu	Lys	Tyr	Cys	Leu	Pro	Lys	Leu	Val	Asp	Glu	
	130					135					140					
Arg	Asn	Asp	Tyr	Tyr	Val	Ala	Val	Cys	Val	Leu	Lys	Pro	Gly	Phe	Glu	
145					150					155					160	
Asn	Gly	Ser	Asn	Gln	Val	Leu	Ser	Phe	Glu	Tyr	Asn	Pro	Ile	Gly	Asn	
			165						170					175		
Lys	Val	Ile	Val	Pro	Phe	Ala	His	Glu	Ile	Asn	Asp	Thr	Gly	Leu	Tyr	
		180						185					190			
Glu	Tyr	Asp	Val	Val	Ala	Tyr	Val	Asp	Ser	Val	Gln	Phe	Asp	Gly	Glu	
	195						200					205				
Gln	Phe	Glu	Glu	Phe	Val	Gln	Ser	Leu	Ile	Leu	Pro	Ser	Ser	Phe	Lys	
	210					215					220					
Asn	Ser	Glu	Lys	Val	Leu	Tyr	Tyr	Asn	Glu	Ala	Ser	Lys	Asn	Lys	Ser	
225					230					235					240	
Met	Ile	Tyr	Lys	Ala	Leu	Glu	Phe	Thr	Thr	Glu	Ser	Ser	Trp	Gly	Lys	
				245					250					255		
Ser	Glu	Lys	Tyr	Asn	Trp	Lys	Ile	Phe	Cys	Asn	Gly	Phe	Ile	Tyr	Asp	
			260					265					270			

Lys Lys Ser Lys Val Leu Tyr Val Lys Leu His Asn Val Thr Ser Ala
275 280 285

Leu Asn Lys Asn Val Ile Leu Asn Thr Ile Lys
290 295

<210> 3
<211> 38
<212> DNA
<213> synthetic construct

<400> 3
ctagaagttg gaaagatgcc agcggctggt cgtaatag 38

<210> 4
<211> 38
<212> DNA
<213> synthetic construct

<400> 4
ctagctatta cgaccagccg ctggcatctt tccaactt 38

<210> 5
<211> 30
<212> DNA
<213> synthetic construct

<400> 5
cagaattcat gtgtgtaatt tttccggtag 30

<210> 6
<211> 33
<212> DNA
<213> synthetic construct

<400> 6
ttttgctcta gatttaattg tgtttaatat tac 33

<210> 7
<211> 35
<212> DNA
<213> synthetic construct

<400> 7
aatgctctag attatttaatt tgtgtttaatt attac 35

<210> 8
<211> 15
<212> DNA
<213> synthetic construct

<400> 8

ttaaacacaa ttaaa

15

<210> 9
<211> 5
<212> PRT
<213> synthetic construct

<400> 9

Leu Asn Thr Ile Lys
1 5

<210> 10
<211> 54
<212> DNA
<213> synthetic construct

<400> 10
ttaaacacaa ttaaacttag aagttggaaa gatgccagcg gctggtcgta atag

54

<210> 11
<211> 16
<212> PRT
<213> synthetic construct

<400> 11

Leu Asn Thr Ile Lys Ser Arg Ser Trp Lys Asp Ala Ser Gly Trp Ser
1 5 10 15